CHAPTER 19: OTHER OPERATION & FUNCTION

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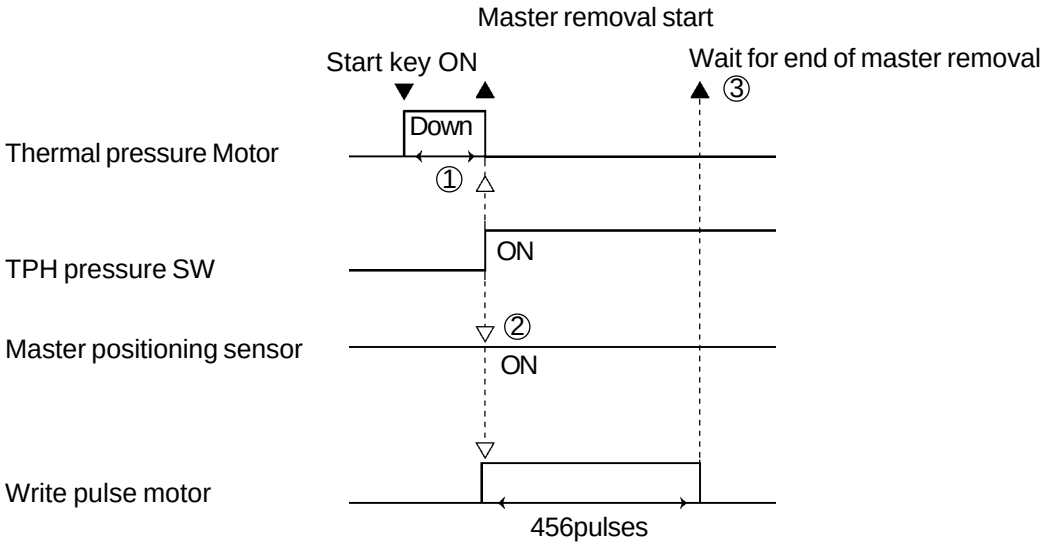
1. Confidential Mode

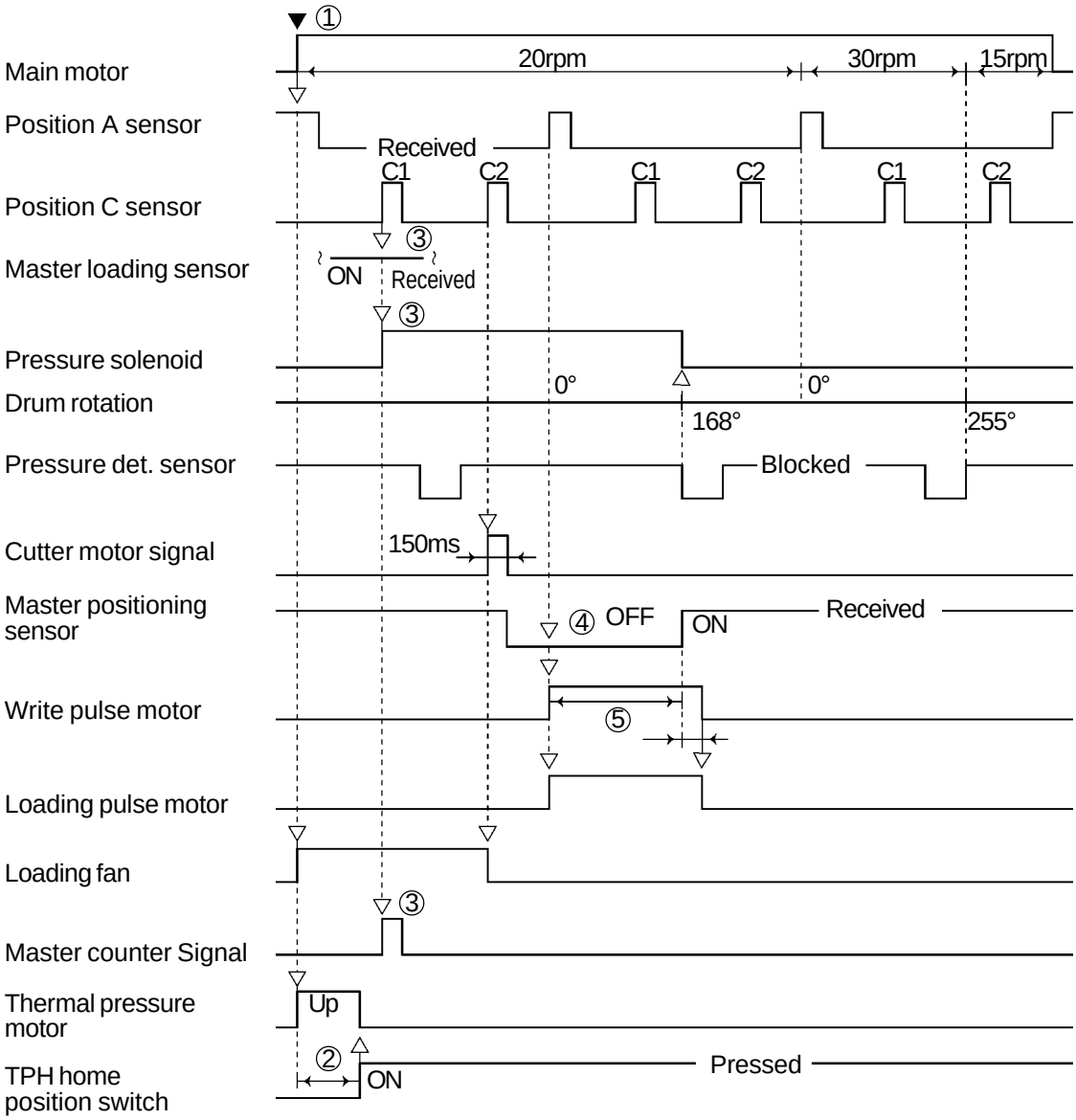
The “CONFIDENTIAL” function is designed to discard the master after printing and wind the blank master around the drum to prevent duplication of the confidential document.
It saves some blank masters in the stocker simultaneously with master removal, and then, loads it. Although the Pressure roller moves up when the master is wound around the drum, the paper is not fed for the first print.

Confidential Mode Timing Chart (1)



① If the TPH pressure switch has not been pressed within 4 seconds after the Thermal pressure motor is activated, the machine assumes a Thermal pressure motor lock has occurred and displays the error code **[T19]**.
② If the Master positioning sensor has not detected master material , the Write pulse motor start to rotate after the Master positioning sensor detect master.
③ Once the Write pulse motor is turned off, wait for end of master removal operation and load the master on the drum.

Confidential Mode Timing Chart (2)



① The master removal and the clamp plate operation is completed. For removal of the master and closing of the Clamp plate, see their respective sections.

② If the TPH home position switch is not pressed 4 seconds after the Thermal pressure motor is turned on in the upward direction, **[T19]** will be displayed, judging that the Thermal pressure motor is locked.

③ If the Master loading sensor is sensing the light(with the master), the Pressure solenoid will be turned on and turn on the master count signal. If it is not sensing the light(without the master), **"CLAMP ERROR REMOVE MASTER ROLL THEN RE-INSTALL."** is displayed.

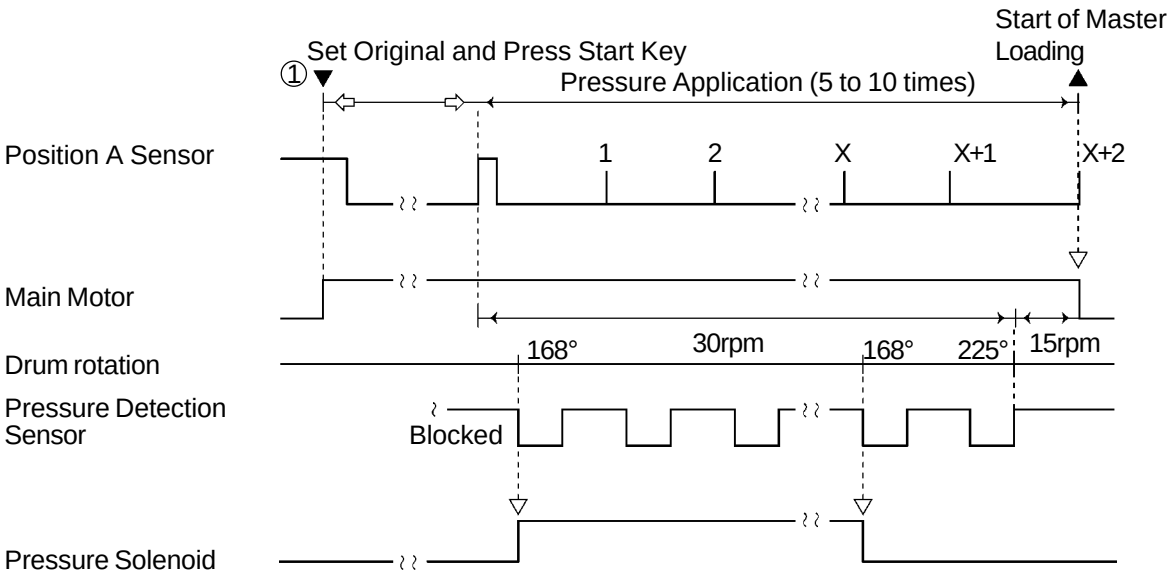
④ If the Master positioning sensor is not sensing the light(without the master), the Write pulse motor and Load pulse motor will be turned on. If it is sensing the light(with the master), the machine will cope with a master cutting error, juding it a master cutting error.

⑤ If the Master positioning sensor has not detected the leading edge of master material within 1,574 pulses after the Write pulse motor and Loading pulse motor start, the machine assumes the master mis-feed has occurred and displays the error message **"MASTER MIS-FEED REMOVE MASTER ROLL THEN RE-INSTALL"**.

2. Automatic Idle

Automatic idle operation means to improve ink application to the drum surface by activating the confidential function and applying a pressure to the Drum prior to loading the new master after leaving RISOGRAPH unoperated for a long time.
When the “AUTO IDLE” LED is illuminated on the panel, set the original and press the Start key. Automatic idle operation will be performed.
If the machine is left unoperated for 12 hours(or 6 hours) or more after printing is finished, or the Auto Idle key is pressed, the “AUTO IDLE” LED on the panel will be illuminated.
If you do not want Automatic idle operation, press the Auto Idle key to turn off the LED.
Automatic idle time can be set to “12 hours,” “6 hours,” or “none” by altering the setting of User Mode No. 06(Auto Idling Time).

Automatic Idle Timing Chart



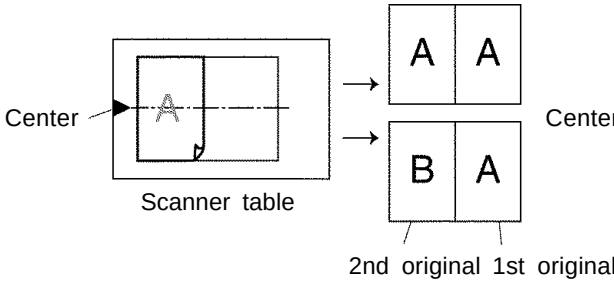
① Idling is performed only while the AUTO IDLE LED is illuminated. If it is unilluminated, master loading operation will start.

- The idling timer starts at the end of master loading, printing, and test printing.
- The number of press movement is changed 5 to 10 times depending on the thermistor data in the Drum and unoperated time.

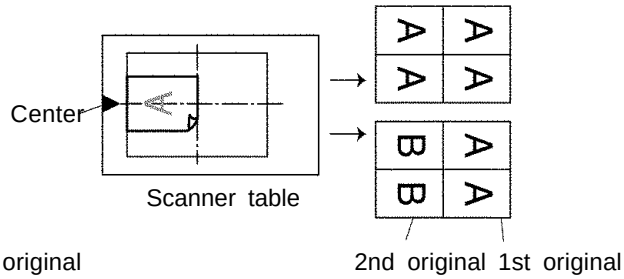
3. Multi Up Printing (2, 4, 8 and 16up)

The Multi Up Printing function is designed to lay out and print one or more originals on a single sheet; it can lay out 2, 4, 8, and 16 frames on a single sheet. There are two kinds of multiframe consecutive printing; single original printing which layout multiple frames from one original and multioriginal printing which lay out multiple frames from multiple originals.

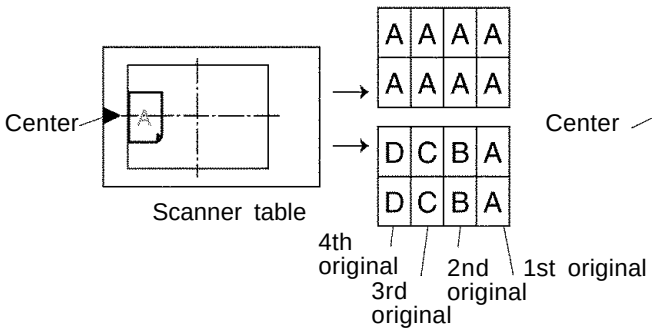
[2 UP]



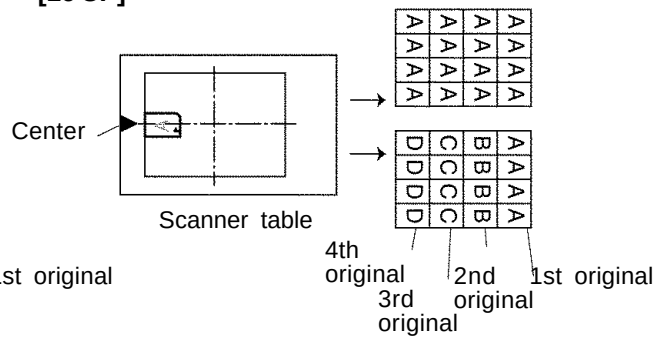
[4 UP]



[8 UP]



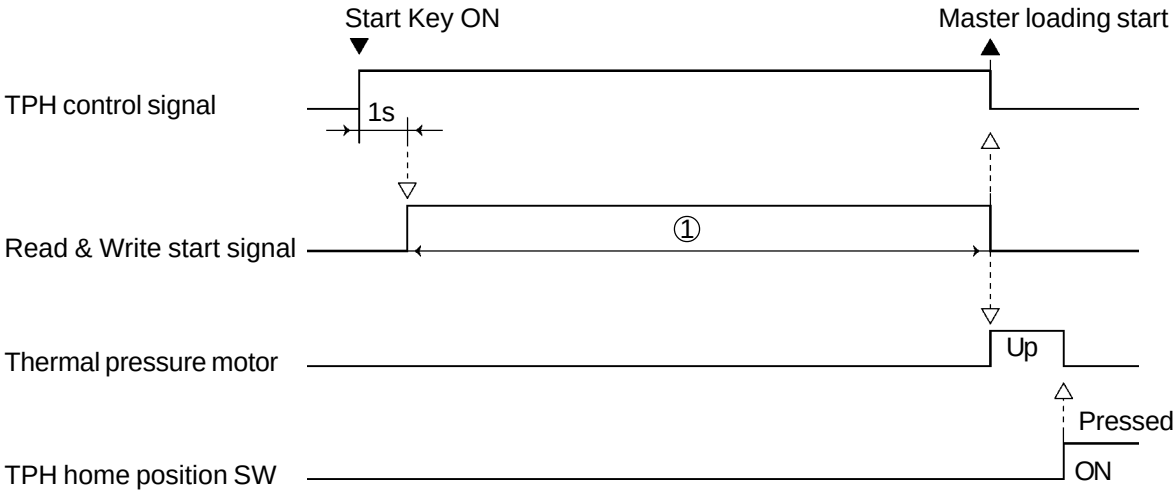
[16 UP]



4. TPH Test Pattern Print Out

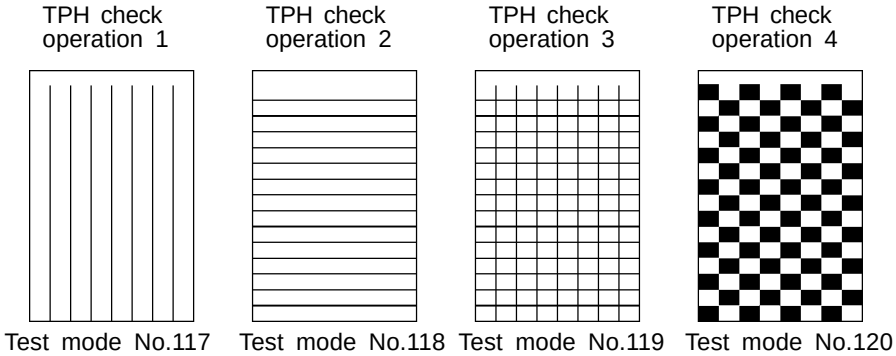
This function outputs the test pattern data in the Image processing PCB directly to the Thermal head. It allows you to check the condition ranging from the Image processing PCB to Thermal head, without interposing the Image scanner.

TPH Test Pattern Print Out



① Write the A3 size worth of data for the A3 drum and B4 size worth of data for the B4 drum, regardless of the printing paper size. The writing width in the main scanning direction depends on the printing paper size.

Test Pattern



5. Auto Power-Off

The Auto power-off function is designed to automatically turn off the printing machine when the printing machine is stopping condition.

- Auto power-off Start Time -

In the User mode, choose and set the stop time after which the Auto power-off function starts.

- OFF(default)
- 5 minutes
- 10 minutes
- 30 minutes

- Printing Machine Stopping Conditions -

When all of the following conditions are met, it can be recognized that the printing machine is stopping.

- No operation is being executed, such as master loading, printing, security function, idling.
- No operation panel key is being operated
- The printing machine has no error.
- The I/F mode is not being turned on.
- The sorter is not working.

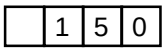
The printing machine measures the time during which all of the above-mentioned conditions are met, and when the measuring time reaches the time set in the User mode, Auto power-off is activated.
The buzzer sounds to notify activation of the auto Auto power-off function just before it is activated.

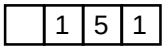
6. Preventive Maintenance Indication

If the number of printed sheets or masters reach their respective set values, “MAINTENANCE CALL SERVICE” is indicated on the LCD panel at power-on after that or just after all reset. Maintenance call indication can be turned off by pressing the All Reset key. Unless a count value is cleared in the Test mode(No.93 or No.94), the maintenance call will be indicated again at next power-off or all reset.

- Setting Method -

1) Start the Test mode, enter “150” (MASTER COUNT) or “151” (COPY COUNT), and press the Start key.

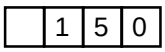




2) In this state, set a target value.

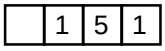
Test mode 150 Target Maintenance master count set

When this is done, a setting increment shall be 100 masters.
For example, pressing “1” sets “100 masters.” That is, the minimum setting limit is 100 masters and maximum setting limit is 999,900 masters.



Test mode 151 Target Maintenance print count set

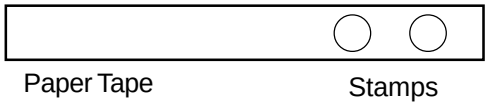
When this is done, a setting increment shall be 1000 sheet.
For example, pressing “1” sets “1000 sheets”



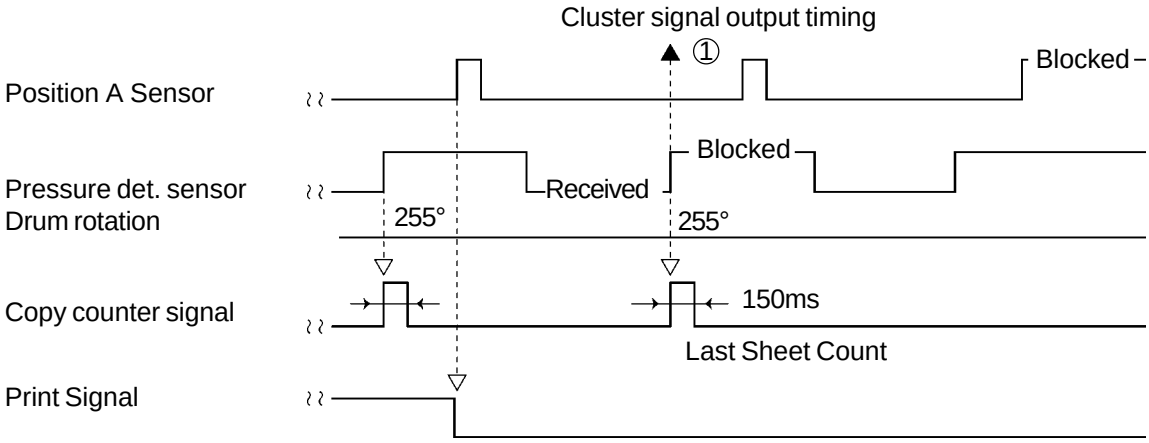
3) Pressing the Start key or Stop key settles the set value and exits the setting screen. If “0” is set, the Preventive maintenance function will not work.

7. Job Separator Activate Signal

A cluster signal is to activate the job separator.
The Job Separator feeds the tape to sort the printed papers on the Paper receiving tray. Connection of the Job Separator needs to be set in the User mode.
Give one or two stamps to the tape to sort it by groups and originals.



-Cluster Signal Output Timing Chart



① The cluster signal is turned on at the output timing of the total counter signal, at which the set number of printed sheets is cleared to “0”. It is not output when normal printing ends.